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1952 **High Frequency Loss of Heterozygosity in von Hippel-Lindau (VHL)-associated and Sporadic Pancreatic Islet Cell Tumors: Evidence for a Stepwise Mechanism for Malignant Conversion in VHL Tumorigenesis.** Steven T. Lott, Dawn S. Chandler, Steven A. Curley, Carolyn J. Foster, Adel El-Naggar, Marsha Frazier, Louise C. Strong, Mercedes Lovell, and Ann McNeill Killary.

1956 **Lack of Mutation Induction with Exposure to 1.5 GHz Electromagnetic Near Fields Used for Cellular Phones in Brains of Big Blue Mice.** Satoru Takahashi, Shingo Inaguma, Young-Man Cho, Katsumi Imaida, Jianqing Wang, Osamu Fujiwara, and Tomoyuki Shirai.

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1966 **Metabolic Markers of Breast Cancer: Enhanced Choline Metabolism and Reduced Choline-Ether-Phospholipid Synthesis.** Rachel Katz-Brull, Dalia Seger, Dalia Rivenson-Segal, Edna Rushkin, and Hadassa Degani.

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1971 **Lack of Tumorigenesis in the Mouse Liver after Adenovirus-mediated Expression of a Dominant Stable Mutant of β-Catenin.** Naomoto Harada, Hiroyuki Miyoshi, Naomi Murai, Hiroko Oshima, Yoshitaka Tamai, Masanobu Oshima, and Makoto M. Taketo.

1978 **Characterization of Benzo(*a*)pyrene-*trans*-7,8-dihydrodiol Glucuronidation by Human Tissue Microsomes and Overexpressed UDP-glucuronosyltransferase Enzymes.** Jia-Long Fang, Frederick A. Beland, Daniel R. Doerge, Doris Wiener, Chantal Guillemette, M. Matilde Marques, and Philip Lazarus.

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2004 **Systemic Inhibition of Tumor Growth and Angiogenesis by Thrombospondin-2 Using Cell-based Antiangiogenic Gene Therapy.** Michael Streit, Antonia E. Stephen, Thomas Hawighorst, Kant Matsuda, Bernhard Lange-Asschenfeldt, Lawrence F. Brown, Joseph P. Vacanti, and Michael Detmar.

2013 **Antitumor Effect of TAT-Oxygen-dependent Degradation-Caspase-3 Fusion Protein Specifically Stabilized and Activated in Hypoxic Tumor Cells.** Hiroshi Harada, Masahiro Hiraoka, and Shinae Kizaka-Kondoh.

2019 **Soluble FLT-1 Expression Suppresses Carcinomatous Ascites in Nude Mice Bearing Ovarian Cancer.** Yoko Hasumi, Hiroaki Mizukami, Masashi Urabe, Takahiro Kohno, Koichi Takeuchi, Akihiro Kume, Mikio Momoeda, Hiroyuki Yoshikawa, Takashi Tsuruo, Masabumi Shibuya, Yuji Taketani, and Keiya Ozawa.

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6405 **Telomere Shortening Is an Early Somatic DNA Alteration in Human Prostate Tumorigenesis.** Alan K. Meeker, Jessica L. Hicks, Elizabeth A. Platz, Gerrun E. March, Christina J. Bennett, Michael J. Delannoy, and Angelo M. De Marzo.

6410 **Elevated Hyaluronan Concentration without Hyaluronidase Activation in Malignant Epithelial Ovarian Tumors.** Essi L. J. Hiltunen, Maarit Anttila, Anne Kultti, Kirsi Ropponen, Jorma Penttinen, Merja Ylöskoski, Arja T. Kuronen, Matti Juhola, Raija Tammi, Markku Tammi, and Veli-Matti Kosma.

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6438 **Antigen-specific CD4$^+$ T-Cell Help Is Required to Activate a Memory CD8$^+$ T Cell to a Fully Functional Tumor Killer Cell.** Feng Guang Gao, Vithagna Khammanivong, Wen Jun Liu, Graham R. Leggatt, Ian H. Frazer, and Germain J. P. Fernando.

6442 **Loss of Imprinting in Colorectal Cancer Linked to Hypomethylation of *H19* and *IGF2*.** Hengmi Cui, Patrick Onyango, Sheri Brandenburg, Yiqian Wu, Chih-Lin Hsieh, and Andrew P. Feinberg.

6447 **3p14 and 9p21 Loss Is a Simple Tool for Predicting Second Oral Malignancy at Previously Treated Oral Cancer Sites.** Miriam P. Rosin, Wan L. Lam, Catherine Poh, Nhu D. Le, Robert Jinze Li, Tao Zeng, Robert Priddy, and Lewei Zhang.

6451 **Similarity of the Phenotypic Patterns Associated with *BRAF* and *KRAS* Mutations in Colorectal Neoplasia.** Siu T. Yuen, Helen Davies, Tsun L. Chan, Judy W. Ho, Graham R. Bignell, Charles Cox, Philip Stephens, Sarah Edkins, Wendy W. Tsui, Annie S. Chan, P. Andrew Futreal, Michael R. Stratton, Richard Wooster, and Suet Y. Leung.

6456 **Histone H3-Lysine 9 Methylation Is Associated with Aberrant Gene Silencing in Cancer Cells and Is Rapidly Reversed by 5-Aza-2′-deoxycytidine.** Carvell T. Nguyen, Daniel J. Weisenberger, Mihaela Velicescu, Felicidad A. Gonzales, Joy C. Y. Lin, Gangning Liang, and Peter A. Jones.

6462 **Resistance to Chemotherapy Mediated by TrkB in Neuroblastomas.** Ruth Ho, Angelika Eggert, Tomoro Hishiki, Jane E. Minturn, Naohiko Ikegaki, Patricia Foster, Anna Marie Camoratto, Audrey E. Evans, and Garrett M. Brodeur.

6467 **The Neurotransmitter γ-Aminobutyric Acid Is an Inhibitory Regulator for the Migration of SW 480 Colon Carcinoma Cells.** Jan Joseph, Bernd Niggemann, Kurt S. Zaenker, and Frank Entschladen.

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6481 **No Evidence for the Presence of an Imprinted Neuroblastoma Suppressor Gene within Chromosome Sub-Band 1p36.3.** Michael D. Hogarty, Cynthia L. Winter, Xueyuan Liu, Chun Guo, Peter S. White, A. Thomas Look, Garrett M. Brodeur, and John M. Maris.

6485 **Sequence Variants of α-Methylacyl-CoA Racemase Are Associated with Prostate Cancer Risk.** Siqun L. Zheng, Bao-li Chang, Dennis A. Faith, Jill R. Johnson, Sarah D. Isaacs, Gregory A. Hawkins, Aubrey Turner, Kathy E. Wiley, Eugene R. Bleecker, Patrick C. Walsh, Deborah A. Meyers, William B. Isaacs, and Jianfeng Xu.

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6489 **β-Catenin Interacts with Low-Molecular-Weight Protein Tyrosine Phosphatase Leading to Cadherin-mediated Cell-Cell Adhesion Increase.** Maria Letizia Taddei, Paola Chiarugi, Paolo Cirri, Francesca Buricchi, Tania Fiaschi, Elisa Giannoni, Dorjana Talini, Giacomo Cozzi, Lucia Formigli, Giovanni Raugei, and Giampietro Ramponi.

6500 **Bile Acids Inhibit Mcl-1 Protein Turnover via an Epidermal Growth Factor Receptor/Raf-1-dependent Mechanism.** Jung-Hwan Yoon, Nathan W. Werneburg, Hajime Higuchi, Ali E. Canbay, Scott H. Kaufmann, Cahit Akgul, Steven W. Edwards, and Gregory J. Gores.

6506 **Correlation between Electron-donating Ability of a Series of 3-Nitroflavones and Their Efficacy to Inhibit the Onset and Progression of Aberrant Crypt Foci in the Rat Colon.** Vernon E. Steele, Charles W. Boone, Daniel Dauzonne, Chinthalapally V. Rao, and René V. Bensasson.

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6510 **Estrogen-related Receptor α and Estrogen-related Receptor γ Associate with Unfavorable and Favorable Biomarkers, Respectively, in Human Breast Cancer.** Eric A. Ariazi, Gary M. Clark, and Janet E. Mertz.

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6519 **An Estrogen-responsive Element-targeted Histone Deacetylase Enzyme Has an Antiestrogen Activity That Differs from That of Hydroxytamoxifen.** Ediz Demirpence, Abdelhabib Semlali, Joan Oliva, Patrick Balaguer, Eric Badia, Marie-Joséphe Duchesne, Jean-Claude Nicolas, and Michel Pons.

6529 **Reduced Expression of Insulin-like Growth Factor I Receptors in MCF-7 Breast Cancer Cells Leads to a More Metastatic Phenotype.** Patricia A. Pennisi, Valarie Barr, Nomeli P. Nunez, Bethel Stannard, and Derek Le Roith.

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6538 **Bisphosphonates Inhibit Angiogenesis *in Vitro* and Testosterone-stimulated Vascular Regrowth in the Ventral Prostate in Castrated Rats.** Pierrick Fournier, Sandrine Boissier, Stéphanie Filleur, Julien Guglielmi, Florence Cabon, Marc Colombel, and Philippe Clézardin.

6545 **Herpes Simplex Virus (HSV) Amplicon-mediated Codelivery of Secondary Lymphoid Tissue Chemokine and CD40L Results in Augmented Antitumor Activity.** Khaled A. Tolba, William J. Bowers, Jacquelyn Muller, Vickie Housekneckt, Rita E. Giuliano, Howard J. Federoff, and Joseph D. Rosenblatt.

6552 **Convection-enhanced Delivery of Boronated Epidermal Growth Factor for Molecular Targeting of EGF Receptor-positive Gliomas.** Weilian Yang, Rolf F. Barth, Dianne M. Adams, Michael J. Ciesielski, Robert A. Fenstermaker, Supriya Shukla, Werner Tjarks, and Michael A. Caligiuri.

6559 **Acquisition of Resistance to Cisplatin Is Accompanied by Changes in the Cellular Pharmacology of Copper.** Kuniyuki Katano, Akira Kondo, Roohangiz Safaei, Alison Holzer, Goli Samimi, Misako Mishima, Yien-Ming Kuo, Myriam Rochdi, and Stephen B. Howell.

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6566 **Viral Fusogenic Membrane Glycoproteins Kill Solid Tumor Cells by Non-apoptotic Mechanisms That Promote Cross Presentation of Tumor Antigens by Dendritic Cells.** Andrew R. Bateman, Kevin J. Harrington, Tim Kottke, Atique Ahmed, Alan A. Melcher, Michael J. Gough, Emmanouela Linardakis, David Riddle, Allan Dietz, Christine M. Lohse, Scott Strome, Tim Peterson, Robert Simari, and Richard G. Vile.

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6579 **The ETS Transcription Factor MEF Is a Candidate Tumor Suppressor Gene on the X Chromosome.** Yoshiyuki Seki, Mary Ann Suico, Ayako Uto, Akinobu Hisatsune, Tsuyoshi Shuto, Yoichiro Isohama, and Hirofumi Kai.

6587 **Unbiased Analysis of RB-mediated Transcriptional Repression Identifies Novel Targets and Distinctions from E2F Action.** Michael P. Markey, Steven P. Angus, Matthew W. Strobeck, Sarah L. Williams, Ranjaka W. Gunawardena, Bruce J. Aronow, and Erik S. Knudsen.

6598 **Gene Expression Profiling of Favorable Histology Wilms Tumors and Its Correlation with Clinical Features.** Masayuki Takahashi, Ximing J. Yang, Todd T. Lavery, Kyle A. Furge, Bart O. Williams, Maria Tretiakova, Anthony Montag, Nicholas J. Vogelzang, Gian G. Re, A. Julian Garvin, Stefan Söderhäll, Susumu Kagawa, Debra Hazel-Martin, Agneta Nordenskjold, and Bin Tean Teh.

6606 **Characterization of a Novel Androgen Receptor Mutation in a Relapsed CWR22 Prostate Cancer Xenograft and Cell Line.** Clifford G. Tepper, David L. Boucher, Philip E. Ryan, Ai-Hong Ma, Liang Xia, Li-Fen Lee, Thomas G. Pretlow, and Hsing-Jien Kung.

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6621 **Selective Inactivation of DNA-dependent Protein Kinase with Antisense Oligodeoxynucleotides: Consequences for the Rejoining of Radiation-induced DNA Double-Strand Breaks and Radiosensitivity of Human Cancer Cell Lines.** Ali Sak, Martin Stuschke, Reinhard Wurm, Gisela Schroeder, Brigitte Sinn, Gudrun Wolf, and Volker Budach.

6625 **Characterization of a Tissue-specific CDP/Cux Isoform, p75, Activated in Breast Tumor Cells.** Brigitte Goulet, Peter Watson, Madeleine Poirier, Lam Leduy, Ginette Bérubé, Sarkis Meterissian, Paul Jolicoeur, and Alain Nepveu.

6634 **Promoter Hypermethylation of the *Death-associated Protein* Kinase Gene in Breast Cancer Is Associated with the Invasive Lobular Subtype.** Ulrich Lehmann, Gülhan Celikkaya, Britta Hasemeier, Florian Länger, and Hans Kreipe.

6639 **Methylthioadenosine Phosphorylase, a Gene Frequently Codeleted with $p16^{cdkN2a/ARF}$, Acts as a Tumor Suppressor in a Breast Cancer Cell Line.** Scott A. Christopher, Paula Diegelman, Carl W. Porter, and Warren D. Kruger.

6645 **Identification of Silencing of Nine Genes in Human Gastric Cancers.** Atsushi Kaneda, Michio Kaminishi, Kazuyoshi Yanagihara, Takashi Sugimura, and Toshikazu Ushijima.

6651 **Evidence for a Hereditary Neuroblastoma Predisposition Locus at Chromosome 16p12–13.** John M. Maris, Matthew J. Weiss, Yael Mosse, George Hii, Chun Guo, Peter S. White, Michael D. Hogarty, Tamar Mirensky, Garrett M. Brodeur, Timothy R. Rebbeck, Margrit Urbanek, and Suzanne Shusterman.

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6659 **Constitutive Activation of Stat3 in Human Prostate Tumors and Cell Lines: Direct Inhibition of Stat3 Signaling Induces Apoptosis of Prostate Cancer Cells.** Linda B. Mora, Ralf Buettner, John Seigne, Jose Diaz, Nazeel Ahmad, Roy Garcia, Tanmy Bowman, Robert Falcone, Rita Fairclough, Alan Cantor, Carlos Muro-Cacho, Sandy Livingston, James Karras, Julio Pow-Sang, and Richard Jove.

6667 **Active Signaling by HER-2/*neu* in a Subpopulation of HER-2/*neu*-overexpressing Ductal Carcinoma *in Situ*: Clinicopathological Correlates.** Michael P. DiGiovanna, Peiguo Chu, Tracey L. Davison, Christine L. Howe, Darryl Carter, Elizabeth B. Claus, and David F. Stern.

6674 **The Bioenergetic Signature of Cancer: A Marker of Tumor Progression.** José M. Cuezva, Maryla Krajewska, Miguel López de Heredia, Stanislaw Krajewski, Gema Santamaría, Hoguen Kim, Juan M. Zapata, Hiroyuki Marusawa, Margarita Chamorro, and John C. Reed.

6682 **Essential Roles of Tumor Necrosis Factor Receptor p55 in Liver Metastasis of Intrasplenic Administration of Colon 26 Cells.** Hidekazu Kitakata, Yoko Nemoto-Sasaki, Yutaka Takahashi, Toshikazu Kondo, Masayoshi Mai, and Naofumi Mukaida.

6688 **An Alternatively Spliced Cadherin-11 Enhances Human Breast Cancer Cell Invasion.** Carolyn M. Feltes, Akira Kudo, Orest Blaschuk, and Stephen W. Byers.

6698 **Candidate Genes for Cross-Resistance against DNA-damaging Drugs.** Rainer Wittig, Michelle Nessling, Rainer D. Will, Jan Mollenhauer, Rüdiger Salowsky, Ewald Münstermann, Matthias Schick, Heike Helmbach, Brigitte Gschwendt, Bernhard Korn, Petra Kioschis, Peter Lichter, Dirk Schadendorf, and Annemarie Poustka.

6706 **Direct Evidence for a Role of Cyclooxygenase 2-derived Prostaglandin E_2 in Human Head and Neck Xenograft Tumors.** Ben S. Zweifel, Thomas W. Davis, Richard L. Ornberg, and Jaime L. Masferrer.

6712 **Systemic Gene Therapy in Human Xenograft Tumor Models by Liposomal Delivery of the *E1A* Gene.** Naoto T. Ueno, Chandra Bartholomeusz, Weiya Xia, Pervin Anklesaria, Elizabeth M. Bruckheimer, Elise Mebel, Ralph Paul, Song Li, George H. Yo, Leaf Huang, and Mien-Chie Hung.

6717 **Mitogen-activated Protein Kinase Kinase 4 (*MKK4*) Acts as a Metastasis Suppressor Gene in Human Ovarian Carcinoma.** S. Diane Yamada, Jonathan A. Hickson, Yancey Hrobowski, Donald J. Vander Griend, David Benson, Anthony Montag, Theodore Karrison, Dezheng Huo, Joanne Rutgers, Sarah Adams, and Carrie W. Rinker-Schaeffer.

6724 **Ink4a/Arf Deficiency Promotes Ultraviolet Radiation-induced Melanomagenesis.** Juan A. Recio, Frances P. Noonan, Hisashi Takayama, Miriam R. Anver, Paul Duray, Walter L. Rush, Gerd Lindner, Edward C. De Fabo, Ronald A. DePinho, and Glenn Merlino.

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6740 **Proteomics of Human Breast Ductal Carcinoma *in Situ*.** Julia D. Wulfkuhle, Dennis C. Sgroi, Henry Krutzsch, Kelley McLean, Kelly McGarvey, Melodie Knowlton, Shu Chea, Hongjun Shu, Aysegul Sahin, Raffael Kurek, Diethelm Wallwiener, Maria J. Merino, Emanuel F. Petricoin, III, Yingming Zhao, and Patricia S. Steeg.

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6756 **Brain-derived Neurotrophic Factor Activation of TrkB Protects Neuroblastoma Cells from Chemotherapy-induced Apoptosis via Phosphatidylinositol 3′-Kinase Pathway.** Jerry Jaboin, Chong Jai Kim, David R. Kaplan, and Carol J. Thiele.

6764 **Mutant Epidermal Growth Factor Receptor Signaling Down-Regulates p27 through Activation of the Phosphatidylinositol 3-Kinase/Akt Pathway in Glioblastomas.** Yoshitaka Narita, Motoo Nagane, Kazuhiko Mishima, H-J. Su Huang, Frank B. Furnari, and Webster K. Cavenee.

6770 **Protein Kinase CK2 Promotes Aberrant Activation of Nuclear Factor-κB, Transformed Phenotype, and Survival of Breast Cancer Cells.** Raphaëlle Romieu-Mourez, Esther Landesman-Bollag, David C. Seldin, and Gail E. Sonenshein

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6803 **Multiple Genes in Human 20q13 Chromosomal Region Are Involved in an Advanced Prostate Cancer Xenograft.** Anat Bar-Shira, Jehonathan H. Pinthus, Uri Rozovsky, Myriam Goldstein, William R. Sellers, Yuval Yaron, Zelig Eshhar, and Avi Orr-Urtreger.

6808 **Prognostic Importance of Glomeruloid Microvascular Proliferation Indicates an Aggressive Angiogenic Phenotype in Human Cancers.** Oddbjørn Straume, Pierre O. Chappuis, Helga B. Salvesen, Ole J. Halvorsen, Svein A. Haukaas, John R. Goffin, Louis R. Bégin, William D. Foulkes, and Lars A. Akslen.

6812 ***HEPSIN*** **Inhibits Cell Growth/Invasion in Prostate Cancer Cells.** Vasantha Srikantan, Michael Valladares, Johng S. Rhim, Judd W. Moul, and Shiv Srivastava.

6817 **5(*S*)-Hydroxy-6,8,11,14-*E,Z,Z,Z*-eicosatetraenoate Stimulates PC3 Cell Signaling and Growth by a Receptor-dependent Mechanism.** Joseph T. O'Flaherty, LeAnn C. Rogers, Brad A. Chadwell, John S. Owen, Anurada Rao, Scott D. Cramer, and Larry W. Daniel.

6820 **Aberrant Methylation of the *HPP1* Gene in Ulcerative Colitis-associated Colorectal Carcinoma.** Fumiaki Sato, David Shibata, Noam Harpaz, Yan Xu, Jing Yin, Yuriko Mori, Suna Wang, Andreea Olaru, Elena Deacu, Florin M. Selaru, Martha C. Kimos, Prodromos Hytiroglou, Joanne Young, Barbara Leggett, Adi F. Gazdar, Shinichi Toyooka, John M. Abraham, and Stephen J. Meltzer.

6823 **Gastric Cancers Overexpress S100A Calcium-binding Proteins.** Wa'el El-Rifai, Christopher A. Moskaluk, Mohammad Khalonck Abdrabbo, Jeffery Harper, Cynthia Yoshida, Gregory J. Riggins, Henry F. Frierson Jr., and Steven M. Powell.

6827 **Orally Administered Pimonidazole to Label Hypoxic Tumor Cells.** Kevin L. Bennewith, James A. Raleigh, and Ralph E. Durand.

6831 **Cationic Charge Determines the Distribution of Liposomes between the Vascular and Extravascular Compartments of Tumors.** Robert B. Campbell, Dai Fukumura, Edward B. Brown, Laureen M. Mazzola, Yotaro Izumi, Rakesh K. Jain, Vladimir P. Torchilin, and Lance L. Munn.

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6850 **Genetic Ablation of Inducible Nitric Oxide Synthase Decreases Mouse Lung Tumorigenesis.** Lori R. Kisley, Bradley S. Barrett, Alison K. Bauer, Lori D. Dwyer-Nield, Benjamin Barthel, Amy M. Meyer, David C. Thompson, and Alvin M. Malkinson.

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6857 **Inhibition of Benzo(a)pyrene Diol-Epoxide-induced Transactivation of Activated Protein 1 and Nuclear Factor κB by Black Raspberry Extracts.** Chuanshu Huang, Yi Huang, Jingxia Li, Wenwei Hu, Robeena Aziz, Moonshong Tang, Nanjun Sun, John Cassady, and Gary D. Stoner.

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6864 **Effect of Stathmin on the Sensitivity to Antimicrotubule Drugs in Human Breast Cancer.** Elizabeth Alli, Judy Bash-Babula, Jin-Ming Yang, and William N. Hait.

6870 **Nuclear Factor κB Inhibitors Induce Adhesion-dependent Colon Cancer Apoptosis: Implications for Metastasis.** Courtney L. Scaife, Jinqiu Kuang, Jason C. Wills, D. Brad Trowbridge, Phil Gray, Bernadette M. Manning, Ernst J. Eichwald, Raymond A. Daynes, and Scott K. Kuwada.

6879 **Gene Therapy for Prostate Cancer by Targeting Poly(ADP-Ribose) Polymerase.** Irina Trofimova, Alexandre Dimtchev, Mira Jung, Dean Rosenthal, Mark Smulson, Anatoly Dritschilo, and Viatcheslav Soldatenkov.

6884 **Domain Swapping in a COOH-terminal Fragment of Platelet Factor 4 Generates Potent Angiogenesis Inhibitors.** Martin Hagedorn, Lior Zilberberg, Jorg Wilting, Xavier Canron, Giorgio Carrabba, Carlo Giussani, Mauro Pluderi, Lorenzo Bello, and Andreas Bikfalvi.

6891 **Disruption of Cell-Cell Adhesion Enhances Antibody-dependent Cellular Cytotoxicity: Implications for Antibody-based Therapeutics of Cancer.** Shane K. Green, Mikael C. I. Karlsson, Jeffrey V. Ravetch, and Robert S. Kerbel.

6901 **Antitumor Effect of the Human Immunodeficiency Virus Protease Inhibitor Ritonavir: Induction of Tumor-Cell Apoptosis Associated with Perturbation of Proteasomal Proteolysis.** Simone Gaedicke, Elke Firat-Geier, Oana Constantinou, Maria Lucchiari-Hartz, Marina Freudenberg, Chris Galanos, and Gabriele Niedermann.

6909 **Sequence-dependent Synergistic Cytotoxicity of Ecteinascidin-743 and Paclitaxel in Human Breast Cancer Cell Lines *in Vitro* and *in Vivo*.** Naoto Takahashi, WeiWei Li, Debabrata Banerjee, Yongbiao Guan, Yasuko Wada-Takahashi, Murray F. Brennan, Ting-Chao Chou, Kathleen W. Scotto, and Joseph R. Bertino.

6916 **Constitutive Overexpression of Cyclin D1 but not Cyclin E Confers Acute Resistance to Antiestrogens in T-47D Breast Cancer Cells.** Rina Hui, Georgina L. Finney, Jason S. Carroll, Christine S.L. Lee, Elizabeth A. Musgrove, and Robert L. Sutherland.

6924 **A Mycobacterial Iron Chelator, Desferri-Exochelin, Induces Hypoxia-inducible Factors 1 and 2, NIP3, and Vascular Endothelial Growth Factor in Cancer Cell Lines.** Tsung Wen Chong, Lawrence D. Horwitz, John W. Moore, Heidi M. Sowter, and Adrian L. Harris.

6928 **Enhanced Bystander Cytotoxicity of P450 Gene-directed Enzyme Prodrug Therapy by Expression of the Antiapoptotic Factor p35.** Pamela S. Schwartz, Chong-Sheng Chen, and David J. Waxman.

6938 **Protracted Low-Dose Effects on Human Endothelial Cell Proliferation and Survival *in Vitro* Reveal a Selective Antiangiogenic Window for Various Chemotherapeutic Drugs.** Guido Bocci, K. C. Nicolaou, and Robert S. Kerbel.

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6944 **Vaccine-based Therapy Directed against Carcinoembryonic Antigen Demonstrates Antitumor Activity on Spontaneous Intestinal Tumors in the Absence of Autoimmunity.** John W. Greiner, Hasan Zeytin, Miriam R. Anver, and Jeffrey Schlom.

6952 **Immunization with Epstein-Barr Virus (EBV) Peptide-pulsed Dendritic Cells Induces Functional CD8+ T-Cell Immunity and May Lead to Tumor Regression in Patients with EBV-positive Nasopharyngeal Carcinoma.** Chen-Lung Lin, Wei-Feng Lo, Tzong-Hsien Lee, Yi Ren, Shiuh-Lin Hwang, Yu-Fan Cheng, Chao-Long Chen, Yu-Sen Chang, Steve P. Lee, Alan B. Rickinson, and Paul Kwong Hang Tam.

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6959 **Changes in Cervical Keratinocyte Gene Expression Associated with Integration of Human Papillomavirus 16.** William Alazawi, Mark Pett, Barbara Arch, Laurie Scott, Tom Freeman, Margaret A. Stanley, and Nicholas Coleman.

6966 **Spontaneous Hematogenous and Lymphatic Metastasis, but not Primary Tumor Growth or Angiogenesis, Is Diminished in Fibrinogen-deficient Mice.** Joseph S. Palumbo, Jill M. Potter, Lisa S. Kaplan, Kathryn Talmage, David G. Jackson, and Jay L. Degen.

6973 **Molecular Profiling of Bladder Cancer Using cDNA Microarrays: Defining Histogenesis and Biological Phenotypes.** Marta Sanchez-Carbayo, Nicholas D. Socci, Elizabeth Charytonowicz, Minglan Lu, Michael Prystowsky, Geoffrey Childs, and Carlos Cordon-Cardo.

6981 **Functional Genomic Comparison of Lineage-related Human Bladder Cancer Cell Lines with Differing Tumorigenic and Metastatic Potentials by Spectral Karyotyping, Comparative Genomic Hybridization, and a Novel Method of Positional Expression Profiling.** Michael A. Harding, Karen C. Arden, James W. Gildea, John J. Gildea, Elizabeth J. Perlman, Carrie Viars, and Dan Theodorescu.

6990 **Synergistic Role of Ku80 and Poly(ADP-ribose) Polymerase in Suppressing Chromosomal Aberrations and Liver Cancer Formation.** Wei-Min Tong, Ulrich Cortes, M. Prakash Hande, Hiroko Ohgaki, Luciane R. Cavalli, Peter M. Lansdorp, Bassem R. Haddad, and Zhao-Qi Wang.

6997 ***BRAF*** **and *RAS* Mutations in Human Lung Cancer and Melanoma.** Marcia S. Brose, Patricia Volpe, Michael Feldman, Madhu Kumar, Irum Rishi, Renee Gerrero, Eugene Einhorn, Meenhard Herlyn, John Minna, Andrew Nicholson, Jack A. Roth, Steven M. Albelda, Helen Davies, Charles Cox, Graham Brignell, Philip Stephens, P. Andrew Futreal, Richard Wooster, Michael R. Stratton, and Barbara L. Weber.

7001 Missense Mutations of the *BRAF* Gene in Human Lung Adenocarcinoma. Katsuhiko Naoki, Tzu-Hsiu Chen, William G. Richards, David J. Sugarbaker, and Matthew Meyerson.

7004 Von Hippel-Lindau Tumor Suppressor Protein Transforms Human Neuroblastoma Cells into Functional Neuron-like Cells. Hidetoshi Murata, Nobuyoshi Tajima, Yoji Nagashima, Masahiro Yao, Masaya Baba, Masayuki Goto, Susumu Kawamoto, Isao Yamamoto, Kenji Okuda, and Hiroshi Kanno.

7012 Genome-Wide Analysis of Gene Expression in Intestinal-Type Gastric Cancers Using a Complementary DNA Microarray Representing 23,040 Genes. Suguru Hasegawa, Yoichi Furukawa, Meihua Li, Seiji Satoh, Tatsushi Kato, Takeshi Watanabe, Toyomasa Katagiri, Tatsuhiko Tsunoda, Yoshio Yamaoka, and Yusuke Nakamura.

7018 CNN-Gd^{3+} Enables Cell Nucleus Molecular Imaging of Prostate Cancer Cells: The Last 600 nm. Stefan Heckl, Jürgen Debus, Jürgen Jenne, Rüdiger Pipkorn, Waldemar Waldeck, Herbert Spring, Ralf Rastert, Claus W. von der Lieth, and Klaus Braun.

7025 Novel Somatic Mutations of the *MET* Oncogene in Human Carcinoma Metastases Activating Cell Motility and Invasion. Annalisa Lorenzato, Martina Olivero, Salvatore Patanè, Edoardo Rosso, Alberto Oliaro, Paolo M. Comoglio, and Maria Flavia Di Renzo.

7031 Large Deletions in Mitochondrial DNA in Radiation-associated Human Thyroid Tumors. Tatiana I. Rogounovitch, Vladimir A. Saenko, Yuki Shimizu-Yoshida, Aleksandr Yu. Abrosimov, Eugeny F. Lushnikov, Pavel O. Roumiantsev, Akira Ohtsuru, Hiroyuki Namba, Anatoly F. Tsyb, and Shunichi Yamashita.

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7042 Vascular Endothelial Growth Factor Secretion by Tumor-infiltrating Macrophages Essentially Supports Tumor Angiogenesis, and IgG Immune Complexes Potentiate the Process. Emilio Barbera-Guillem, Julie K. Nyhus, Chris C. Wolford, Chad R. Friece, and James W. Sampsel.

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W. Wang *et al.*, Cancer Res., 62: 6278–6288, 2002.
V. L. J. Whitehall *et al.*, Cancer Res., 62: 6011–6014, 2002.

7133 Correction

T. Tilignac *et al.*, Cancer Res., 62: 2771–2777, 2002.

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7343 Simultaneous Reduction in Cancer Pain, Bone Destruction, and Tumor Growth by Selective Inhibition of Cyclooxygenase-2. Mary Ann C. Sabino, Joseph R. Ghilardi, Joost L. M. Jongen, Cathy P. Keyser, Nancy M. Luger, David B. Mach, Christopher M. Peters, Scott D. Rogers, Matthew J. Schwei, Carmen de Felipe, and Patrick W. Mantyh.

7350 **Impact of Epidermal Growth Factor Receptor Expression on Survival and Pattern of Relapse in Patients with Advanced Head and Neck Carcinoma.** K. Kian Ang, Brian A. Berkey, Xiaoyu Tu, Hua-Zhong Zhang, Ruth Katz, Elizabeth H. Hammond, Karen K. Fu, and Luka Milas.

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T. Zhang *et al.*, Cancer Res., *61:* 8664–8667, 2001.

7380 Corrections

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